









"Galileo" Radar Junior



	Power supply: 12 V _{dc}		Sensor: doppler radar 24Ghz		Temperature: -20 °C - +85 °C
	Communication interface: RS232 RS485		Dimensions (H / L / W): container 12 x 9 x 5 cm		Type of power: photovoltaic panel network public network
	Consumption: max : 0,075 A		Weight: 0,4 kg		

/ Product Description /

The Galileo Junior radar is a system based on doppler effect able to detect vehicles at great distances, with two different modes: tracking and counting.

In the tracking modality is possible to detect vehicles from long distances.

The software allows the system to reach the speed of a vehicle until this is inside the radar beam area.

The system must be installed at an angle of measure close to 0° (in relation to the road axis).

In the counting mode the software allows the system to visualize the speed of the vehicle inside the beam area, its length (in m) and the temporal gap between a vehicle and the following one.

These information are provided for each vehicle inside the radar beam.

In this kind of mode, the radar must be installed with a measuring angle of 45° (respect to the road axis) and small distances from the vehicle detected (on the order of ten meters).

The radar can be set in order to discriminate the direction of the travelling vehicles (vehicles approaching and leaving).

➤It is possible classify the vehicles (5 classes of vehicles).

➤It is possible to express the mass of the vehicle in meters.

➤The system is equipped with an internal clock that permits to memorize the detected data.

➤It is possible to configure the system depending on the installation/application (configuration of minimum or maximum speed, date and hour ex.).

➤It is possible to have a remote communication with connection to a serial port.

➤It is possible to check the battery level and the temperature of the board.

➤The radar is able to communicate with the outside through its RS232 port (at short distances) and through RS485 port (used to communicate at distances greater than 100m).

➤The radar has a low supply voltage (12 Vdc) to allow the use of common lead acid batteries and solar panel system.

➤-It is equipped with an antenna at 24.125 GHz at low power of exit that permits to detect the vehicles even at great distance.

➤-Range of speed 1-255 Km

Non-invasive product that does not create any problem to the traffic and can be integrated in any kind of existing signs and support with easily installation and removal (application on existing signs, on portals ex..).

/ Features description /

Survey and memorization of the speeds of the vehicles with the possibility to visualize with a display the red speeds. Survey of possible queues (caused for example by accidents).

Determination of the percentage of the various typology of vehicles (motorcycles, car, vans etc...) passing on the monitored road. Possibility to activate alarm device in case of high speeds (example "intelligent traffic lights" that become red, forcing the vehicle to slow down and stop).

Possibility to integrate the radar system with gsm/gprs modem for remote communication of the red data to a sensor for specific elaborations.

/ Mechanical properties /

Elegant lodging case, besides guaranteeing the protection from atmospheric agents (IP66), also offers a smooth and easy installation on any kind of support.